IDENTIFYING REFERENCES TO OBJECTS DURING BYTECODE

VERIFICATION

5   ## ABSTRACT OF THE DISCLOSURE

An enhanced Java Bytecode verifier suitable for operation in a Java
computing environment is disclosed. The enhanced Java Bytecode verifier
operates to determine whether one or more Java conventional Bytecode

10   commands within a stream of Bytecodes are likely to place a reference to a
Java object on the execution stack. In one embodiment, the conventional Java
Bytecode commands identified as such are translated by the enhanced Java
Bytecode verifier into one or more corresponding Java commands. When a
corresponding command is executed, the reference associated with the

15   conventional Java command is placed on a reference stack as well as the
execution stack.